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FIG. 1

Prior Art

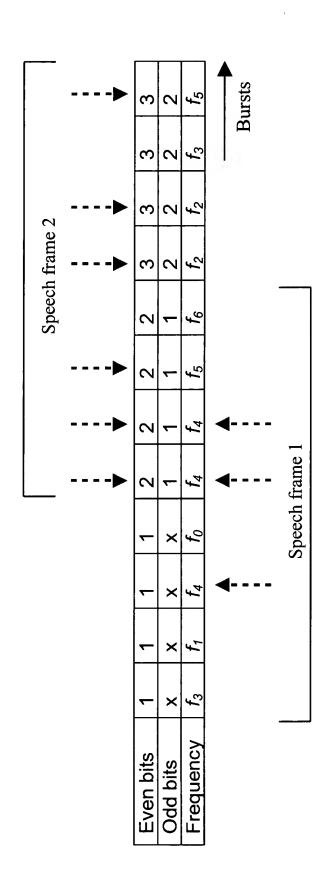
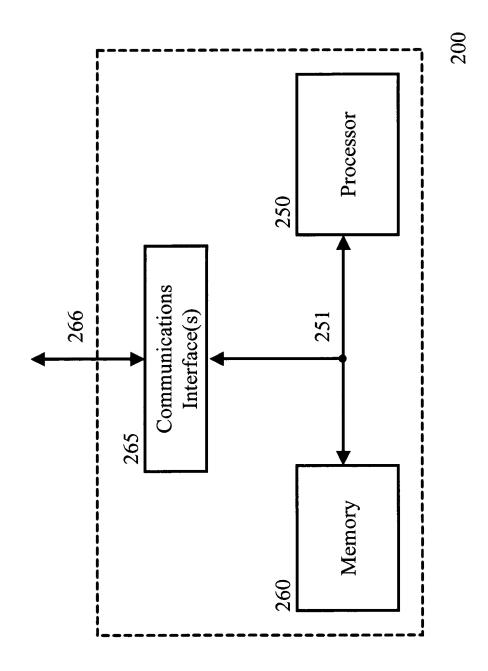


FIG. 2 Balachandran-Kang-Sanwal-Seymour 21-1-3-12



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FIG. 3

		ļ										
Even bits	_	1	_	1	2	2	2	2	3	3	3	3
Odd bits	×	×	×	X	1	1	1	1	2	2	7	2
Frequency	f_3	f_1	f_4	f_0	f_7	f_8	f_{2}	f_6	f_1	f_3	$^{0}\!f$	f_4
				Speech	Speech frame	1					B	→ Sursts

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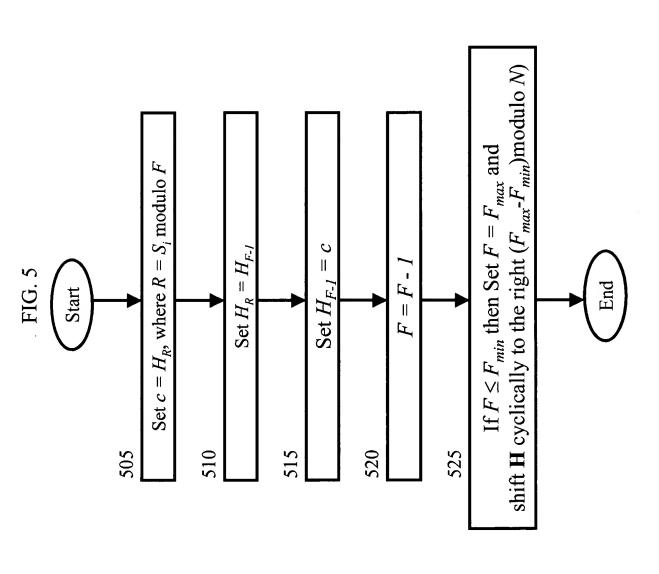
FIG. 2

Prior Art

Parameter	Definition	Range
TDMA Frame Number, FN	TDMA frame number	0 to $(26 \times 51 \times 2048)$ - 1
Time parameter, T1R	[FN div (26 x 51)] modulo 64	0 to 63
Time parameter, T2	FN modulo 26	0 to 25
Time parameter, T3	FN modulo 51	0 to 50
Hopping Sequence Number	Used along with other time	0 to 63
(HSN)	parameters to generate a pseudo-	
	random hopping sequence	
NBIN	Number of bits required to	
	represent N	
xor	Bit-wise exclusive or of 8 bit binary	
	operands	

Table One

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FIG. 6

	F	F = 4	F=3	F = 2	F = I	F = 0, $F = 4$	F = 3	•	•	•
	Н	$H = \{13462057\}$	$H = \{16432057\}$	$H = \{16432057\}$	$H = \{61432057\}$	$H = \{6 \ 1 \ 4 \ 3 \ 2 \ 0 \ 5 \ 7\}$ $H = \{2 \ 0 \ 5 \ 7 \ 6 \ 1 \ 4 \ 3\}$	$\mathbf{H} = \{2 \ 7 \ 5 \ 0 \ 6 \ 1 \ 4 \ 3\}$	•	•	•
	Compute Hop Frequency		$H_{(1 \bmod 4)} = H_I = 3$	$H_{(5 \text{ mod } 3)} = H_2 = 4$	$H_{(2 \mod 2)} = H_0 = I$	$H_{(4 \bmod 1)} = H_0 = 6$	$H_{(1 \text{ mod } 4)} = H_I = 0$	•	•	•
· .	A		$A = \{1 \ 3 \ 4 \ 6\}$	$A = \{1 \ 6 \ 4\}$	$A = \{1 \ 6\}$	$A = \{6\}$	$A = \{2 \ 0 \ 5 \ 7\}$	•	•	•
	Hopping index	-	1	5	2	4	1	•	•	•
column 1	Burst Number	!	0	1	2	3	4	•	•	•
	•	Tow I						-		

Table Two